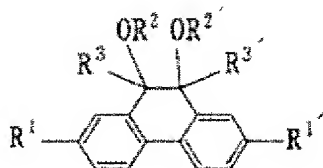


# AMENDMENTS IN THE CLAIMS

**Claim 1 (original):** A dihalide represented by the following formula:

[Formula 1]



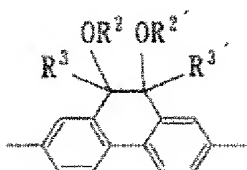
(wherein  $R^1$  and  $R^2$  represent a halogen,  $R^2$  and  $R^{2'}$  represent an alkyl group or a silyl group having a substituent, and  $R^3$  and  $R^{3'}$  represent a hydrogen or an alkyl group).

**Claim 2 (currently amended):** A-The dihalide group according to claim 1, wherein the silyl group having the substituent is at least one selected from the group consisting of  $Si(CH_3)_3$ ,  $Si(n-C_4H_9)_3$ ,  $Si(t-C_4H_9)_3$ ,  $Si(CH_3)_2(C_6H_5)$  and  $Si(CH_3)_2(n-C_{18}H_{37})$ .

**Claim 3 (currently amended):** The A-dihalide according to claim 1 or 2 wherein the alkyl group is an alkyl group having a carbon number of 1-20.

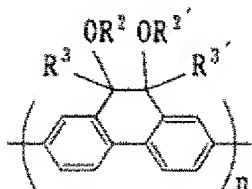
**Claim 4 (original):** A polymer compound having a structure represented by the following formula in its main chain:

[Formula 2]



(wherein  $R^2$  and  $R^{2'}$  represent an alkyl group or a silyl group having a substituent, and  $R^3$  and  $R^{3'}$  represent a hydrogen or an alkyl group).

**Claim 5 (currently amended):** The A-polymer compound according to claim 4, which is represented by the following formula:

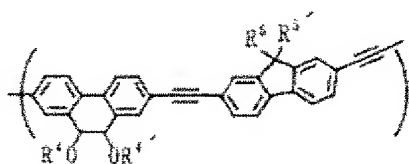


(wherein  $R^2$  and  $R^{2'}$  represent an alkyl group or a silyl group having a substituent, and  $R^3$  and  $R^{3'}$  represent a hydrogen or an alkyl group, and  $n$  represents a polymerization degree and is 5-1000).

**Claim 6 (currently amended):** The A-polymer compound according to claim 4, which is a copolymer comprising the structure represented by the formula claimed in claim 4 and another structure.

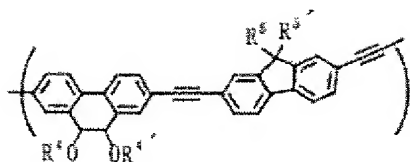
**Claim 7 (currently amended):** The A-polymer compound according to claim 5 wherein the copolymer is at least one selected from the group consisting of the following formulae:

[Formula 4]



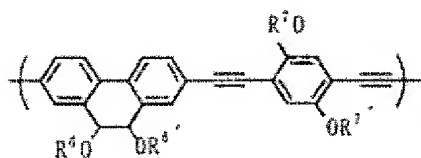
(wherein  $R^4$ ,  $R^{4'}$ ,  $R^5$  and  $R^{5'}$  represent an alkyl group),

[Formula 4]



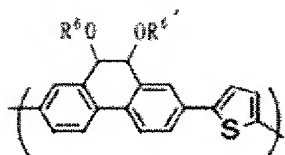
(wherein  $R^4$ ,  $R^{4'}$ ,  $R^5$  and  $R^{5'}$  represent an alkyl group),

[Formula 5]



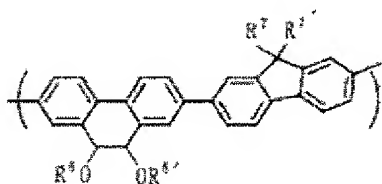
(wherein  $R^6$  and  $R^{6'}$  represent an alkyl group or a silyl group having a substituent, and  $R^7$  and  $R^{7'}$  represent an alkyl group),

[Formula 6]



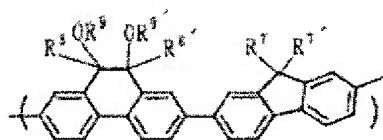
(wherein  $R^6$  and  $R^{6'}$  represent an alkyl group or a silyl group having a substituent),

[Formula 7]



(wherein  $R^6$  and  $R^{6'}$  represent an alkyl group or a silyl group having a substituent, and  $R^7$  and  $R^{7'}$  represent an alkyl group), and

[Formula 8]

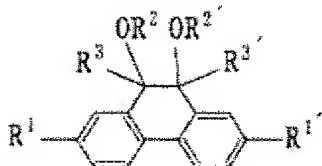


(wherein  $R^7$ ,  $R^{7'}$ ,  $R^8$ ,  $R^{8'}$ ,  $R^9$  and  $R^{9'}$  represent an alkyl group).

**Claim 8 (currently amended):** ~~The A-polymer according to any one of claims 4-7, claim~~  
4 wherein the alkyl group is an alkyl group having a carbon number of 1-20.

**Claim 9 (currently amended):** A method for producing a polymer compound, in which  
 a polymer compound as claimed ~~in any of one of claims 4-8 in claim 4~~ is obtained by  
 dehalogenation -polymerizing a dihalide ~~as claimed in claim 1 or 2~~ represented by the  
following formula:

[Formula 1]



(wherein  $R^1$  and  $R^2$  represent a halogen,  $R^2$  and  $R^{2'}$  represent an alkyl group or a silyl  
group having a substituent, and  $R^3$  and  $R^{3'}$  represent a hydrogen or an alkyl group).

**Claim 10 (currently amended):** ~~A--The~~ method for producing a polymer compound  
 according to claim 8 9, wherein the dehalogenation-polymerization is performed in the  
 presence of palladium or nickel compound.

**Claim 11 (currently amended):** A thin film obtained by using polymer compound as  
 claimed ~~in any of one of claims 4-8 in claim 4~~.

**Claim 12 (new):** The method of claim 9 wherein the silyl group having the substituent is at least one selected from the group consisting of  $Si(CH_3)_3$ ,  $Si(n-C_4H_9)_3$ ,  $Si(t-C_4H_9)_3$ ,  $Si(CH_3)_2(C_6H_5)$  and  $Si(CH_3)_2(n-C_{18}H_{37})$ .

**Claim 13 (new):** The method for producing a polymer compound according to claim 12, wherein the dehalogenation-polymerization is performed in the presence of palladium or nickel compound.